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PROCUREMENT SECTION  
CURRENT SERIAL RECORDS

## Cotton Fiber and Processing Test Results

CROP of

1971



Consumer and Marketing Service  
U.S. DEPARTMENT OF AGRICULTURE  
Memphis, Tenn. 38117 November 26, 1971

This is the eighth of a series of reports of fiber and processing test results from the 1971 cotton crop. Subsequent reports in this series will follow at approximately two-week intervals during the harvesting season, and will be summarized in a comprehensive report at the end of the season. This series will present data on the same subject as "Summary of Cotton Fiber and Processing Test Results, Standardization Section, Cotton Division, Consumer and Marketing Service, U. S. Department of Agriculture, P. O. Box 17723, Memphis, TN 38117.



## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1971

### Discussion of Test Results

Cotton testing laboratories of the Consumer and Marketing Service, USDA, report that short staple samples, to date, are coarser and weaker than last season. Yarns spun from these samples are weaker with higher appearance grades. Average spinning potential yarn number is lower.

Averages for all medium staple samples tested through November 19, 1971 are longer and weaker than those tested through the same period a year ago. Yarns spun from these samples show higher appearance grades.

Medium staple samples from the Southeast are weaker than last season. Yarns spun from these samples show higher appearance grades with more imperfections.

South Central medium staple samples are longer and finer than last year. Yarns spun from these samples show higher appearance grades.

No additional medium staple samples were received from the Southwest during this report period. However, samples received, to date, are shorter and weaker at 1/8-inch gage strength than last season. Picker and card waste is lower. Yarns spun from these samples show fewer imperfections than a year ago. Average spinning potential yarn number is lower.

Medium staple samples from the West show less picker and card waste than last season. Yarns spun from these samples are about the same quality. Average spinning potential yarn number is lower.

Averages for all long staple samples tested, to date, are less uniform, finer and weaker than through the same period a year ago. Picker and card waste is higher while comber waste is lower. Yarns spun from these samples are weaker with higher appearance grades and fewer imperfections.

Long staple samples from the Southeast are less uniform, finer and weaker at zero gage strength than last season. Picker and card waste is higher. Comber waste is higher. Carded yarns spun from these samples are weaker with higher appearance grades and more imperfections. Combed yarns are about the same as a year ago.

South Central long staple samples are longer and finer than through the same period last season. Fibers are weaker at zero gage strength and stronger at 1/8-inch gage strength. Picker and card waste is higher while comber waste is lower. Carded yarns spun from these samples are stronger with higher appearance grades and fewer imperfections. Combed yarns are stronger with lower appearance grades and more imperfections. Average spinning potential yarn number is higher than a year ago.

Long staple samples from the West are longer and weaker than a year ago. Shirley Analyzer nonlint content and comber waste are lower while picker and card waste is higher. Yarns spun from these samples are weaker with higher appearance grades and fewer imperfections. Average spinning potential yarn number is higher.

Extra long staple, American Pima, samples from the West are shorter and weaker at 1/8-inch gage strength than last season. Picker and card waste is higher. Yarns spun from these samples show higher appearance grades.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 19, 1971 1/

Staple group Area, and Crop year	Lots tested	Fiber test results						Processing test results									
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.					
		2.5% span	50/2.5 unif.		Zero gage	1/8" gage			Skein str.	Appearance	Imperf- ections						
				Inches			Pct.	Rdg.				Mpsi	G/tex	Pct.	Lbs.	Index	No.
<u>22s Carded Yarn</u>																	
	No.	Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.					Yarn No.				
<u>Short Staple:</u> Southwest	20	0.95	46	4.5	97	21	3.7	6.4	91	116	25		44				
	21	0.96	45	5.0	80	20	3.4	6.3	85	120	25		38				
<u>Medium Staple:</u> Southeast	68	1.08	45	4.5	83	23	3.5	6.6	103	102	17		61				
	44	1.08	45	4.4	79	22	3.5	6.4	101	110	21		62				
South Central	87	1.08	45	4.7	82	22	2.9	6.0	102	110	19		62				
	94	1.11	45	4.5	81	22	2.9	5.8	105	115	20		63				
Southwest	41	1.09	46	4.5	86	23	3.2	6.1	103	118	23		65				
	27	1.07	45	4.6	86	22	3.0	5.6	103	121	19		59				
West	33	1.10	45	4.3	93	25	2.6	5.4	118	117	21		71				
	23	1.11	45	4.3	93	25	2.4	4.9	120	120	22		68				
U.S. Average	229	1.08	45	4.5	85	23	3.1	6.1	105	110	19		64				
	188	1.10	45	4.5	83	22	3.0	5.8	106	115	20		63				
Significant dif- ference <u>2/</u>		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2		3				

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States  
through November 19, 1971

1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results					Processing Test Results										SPY
		Length		Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality							
		Span	Unif		Zero	1/8" gage				Strength carded	Lbs. combed	Indx carded	Indx combed	Imprfctns card	No. comb		
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.	No.		
<u>Long Staple:</u>																	
Southeast																	
1970	12	1.15	45	4.7	82	23	4.6	8.6	16.4	110	126	103	119	21	10	66	
1971	11	1.15	43	4.3	80	23	4.4	9.6	17.0	105	121	108	118	23	10	66	
South Central																	
1970	3	1.15	42	4.7	86	23	4.4	8.9	20.9	100	123	93	120	27	9	61	
1971	2	1.21	42	4.5	84	24	4.8	9.4	15.4	114	130	110	110	20	11	70	
West																	
1970	7	1.17	45	3.8	95	28	3.0	7.4	15.4	136	153	91	96	32	21	76	
1971	4	1.19	44	3.8	93	27	2.3	8.0	14.9	132	148	102	100	21	15	80	
U. S. Average																	
1970	22	1.16	45	4.4	87	25	4.1	8.3	16.7	117	134	98	112	25	13	68	
1971	17	1.17	43	4.2	84	24	4.0	9.2	16.3	112	128	107	113	22	11	70	
<u>Extra Long Staple:</u>																	
West																	
1970	2	1.52	30	3.9	98	35	2.2	6.7			67		115		2		
1971	4	1.47	31	3.8	98	33	2.5	8.0			66		130		2		
Significant Difference <u>2/</u>																	
		0.02	2	0.2	2	1	0.5	0.5	0.5		4(22s)	5	5	2	2	3	
											4(22s)						
											2(50s)						

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.



Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade		Stple	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-lint	Color		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential	
	Name & Code			2.5% span	Unif		Zero Gage	1/8" Gage			Gra	Yel		8s or 74 tx	22sor 27 tx	8s or 74 tx	22s or 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx		
				In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No	No	
SOUTHWEST																							
CENTRAL TEXAS																							
COMMERCE																							
3	LM	LT SP	52	29	0.98	45	5.0	79	LANKART 57	6.1	2.8	5	4	90 PERCENT	80	6.5	5.5	130	120	43	29	34	
ITASCA																							
3	LM	LT SP	152	32	1.03	44	3.9	81	LANKART LX-571	6.4	4.6	4	4	100 PERCENT	94	7.0	6.0	120	120	55	38	43	
TERRELL																							
2	LM	LT SP	152	30	0.98	44	5.0	73	LANKART 57	6.6	4.0	4	4	99 PERCENT	82	7.0	6.0	120	120	46	33	41	

1/ Reduced from 42 because of Bark



Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
				2.5% span	Unif.		Zero	1/8" Gage			Mpsi	G/tex		Pct	No	No	22s or 27 tx	Lbs	Pct	22s or 27 tx	No		22s or 27 tx
SOUTHEASTERN																							
ALABAMA																							
CHEROKEE		2 SLM LT SP	42	35	1.11	43	4.1	75	21	8.3	3.1	3	3	100 PERCENT	32	6.9	5.2	100	70	23	21	62	
GERALDINE		2 SLM	41	34	1.03	45	4.3	79	21	6.0	2.9	3	3	100 PERCENT	29	6.2	4.6	120	90	16	13	58	
LAFAYETTE		1 LM	51	35	1.11	46	4.8	77	23	7.0	3.7	3	3	90 PERCENT	36	7.2	5.3	120	90	17	12	69	
MONTGOMERY		2 LM	51	33	1.03	49	4.9	84	22	5.6	2.9	3	3	75 PERCENT	35	6.2	4.7	120	100	14	14	56	
PRATTVILLE		2 SLM	41	35	1.13	44	4.2	83	23	5.9	3.2	2	3	100 PERCENT	44	6.3	5.2	110	80	23	24	66	
RUSSELLVILLE		2 SLM	41	34	1.06	44	4.4	77	20	6.5	2.2	2	4	100 PERCENT	32	6.4	5.0	120	90	19	15	61	
ST CLAIR		2 LM	51	35	1.10	45	4.5	79	22	5.7	4.6	3	2	85 PERCENT	34	5.9	4.7	100	80	24	17	63	
		3 SLM	41	34	1.08	45	4.9	78	23	5.9	2.9	2	3	7.3 98	34	6.3	5.0	110	90	20	16	58	
SYLACAUGA		2 LM	51	34	1.07	46	4.3	80	21	5.9	2.8	3	3	100 PERCENT	34	6.8	4.9	120	90	20	18	60	
GEORGIA																							
BOSTWICK		3 LM LT SP	52	34	1.01	45	4.6	78	20	5.8	3.5	4	3	100 PERCENT	26	5.4	3.9	120	90	16	14	55	
PINEHURST		2 LM	51	35	1.09	45	4.1	81	23	5.7	2.7	3	3	100 PERCENT	41	6.2	5.4	100	80	31	21	69	
SHELLMAN		3 LM	51	34	1.10	44	4.3	80	22	6.1	3.3	3	3	80 PERCENT	37	6.5	5.2	100	70	27	22	65	
STAPLETON		3 SLM LT SP	42	34	1.04	45	4.5	73	20	6.1	3.9	4	4	99 PERCENT	27	5.8	4.3	110	80	20	19	55	
NORTH CAROLINA																							
LAURINBURG		3 LM	51	35	1.04	46	4.3	82	23	6.1	4.1	3	2	100 PERCENT*	39	6.7	5.5	110	90	21	16	66	

\* 100 percent selected for tests, less than 100 percent in the area

\* 100 percent selected for tests, less than 100 percent in the area

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'in 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	22s or 27 tx	Lbs	Pct	Pct	22s or 27 tx	Lbs		Pct

1/ Reduced from 41 because of grass



Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification				Fiber Test Results										Processing Test Results - Carded Yarns										
Sample Number				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8" Gage	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprct'ns		Spin. Potent- ial		
No	Grade	Stple	32s	In	Pct		Rdg	Mpsi			G/tex	Pct		No	Yel	27 tx	12 tx	Lbs	Pct	27 tx	12 tx		No	22s or 27 tx
SOUTH CENTRAL--(Continued)																								
MISSISSIPPI--(Continued)																								
GLENDORA																								
2 LM	51	35	1.10	45	5.1	80	21	6.2	2.8	3	3	100 PERCENT	33	6.3	4.8	100	90	24	18	58				
GREENWOOD																								
2 LM	51	35	1.10	45	5.2	81	21	6.1	2.9	2	3	100 PERCENT	31	6.0	4.8	100	70	21	17	55				
GUNNISON																								
2 SLM	41	36	1.14	43	4.3	80	22	7.6	2.6	1	2	100 PERCENT	38	6.8	5.7	110	80	19	13	67				
INDIANOLA																								
2 SLM	41	35	1.08	45	5.0	83	23	5.7	2.9	1	3	100 PERCENT	33	6.3	4.8	120	90	14	14	59				
PANTHER BURN																								
2 SLM	41	35	1.15	45	4.6	78	23	7.8	2.9	1	2	100 PERCENT	40	7.5	5.8	110	90	14	10	61				
ROBINSONVILLE																								
2 LM	51	35	1.09	46	4.4	82	23	6.7	5.4	3	3	100 PERCENT	38	7.1	5.3	110	90	22	21	60				
ROBINSONVILLE																								
2 SLM	41	35	1.10	46	5.0	80	22	6.5	2.8	2	3	100 PERCENT	35	6.5	5.2	110	90	23	17	58				
SCOTT																								
2 SLM	41	35	1.14	44	4.1	78	23	7.4	3.6	2	2	100 PERCENT	39	6.9	5.9	100	80	24	19	66				
STOVALL																								
1 SLM	41	36	1.17	44	4.6	80	22	7.2	3.3	1	2	100 PERCENT	40	6.6	5.5	120	90	20	14	65				
TRALAKE																								
3 SLM	41	35	1.14	43	4.7	78	23	7.1	2.1	2	2	100 PERCENT	39	7.1	5.7	120	90	12	10	70				
TRIBETT																								
3 SLM	41	35	1.12	44	4.7	79	24	7.1	2.7	2	2	100 PERCENT	39	6.8	5.4	100	80	30	19	62				
WATER VALLEY																								
2 SLM	41	35	1.11	44	4.6	78	21	7.8	2.6	2	3	99 PERCENT	36	7.0	5.5	120	100	13	13	65				
MISSOURI																								
SIKESTON																								
2 SLM	41	35	1.07	44	4.1	77	21	7.4	2.4	1	3	90 PERCENT	37	7.5	5.5	110	90	17	18	63				



Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
				Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct's		Spin. Poten- tial
No	Grade	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	Yel	No	Pct	Lbs	Lbs	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	No	No
SOUTH CENTRAL--(Continued)																							
TENNESSEE																							
BRADEN																							
2	S LM		41	34	1.10	45	4.4		DELTA PINE 16	3.1	1	3		98 PERCENT	38	7.0	5.6	110	90	17	17	63	
CORDOVA																							
1	S LM		41	35	1.07	45	4.8		STONEVILLE 213	3.5	2	3		95 PERCENT	32	6.2	4.8	110	90	17	16	58	
GAUSDEN																							
2	S LM		41	35	1.09	45	4.2		DELTA PINE 16	3.3	1	2		95 PERCENT	37	7.0	5.8	120	90	15	16	66	
MCKENNIE																							
2	S LM LT SP		42	33	1.01	46	4.3		DIXIE KING II	2.0	2	3		85 PERCENT	26	6.0	4.7	110	90	20	15	53	
MILLINGTON																							
2	L M		51	34	1.07	45	4.5		REX SMOOTH LEAF	4.1	3	3		90 PERCENT	32	6.5	5.0	130	100	16	12	62	
WESTERN ARIZONA																							
PARKER																							
1	MID		31	35	1.09	44	4.5		DELTA PINE 16	2.9	1	3		90 PERCENT	31	5.5	3.7	110	90	27	21	49	
CALIFORNIA																							
ARVIN																							
1	MID		31	35	1.11	46	4.4		ACALA 4-42	2.1	1	3		100 PERCENT	49	6.0	4.7	130	100	12	11	75	
BAKERSFIELD																							
1	MID		31	35	1.10	45	4.4		ACALA SJ-1	1.8	1	3		100 PERCENT	45	5.4	4.2	120	90	21	18	68	
BRAWLEY																							
2	MID		31	34	1.07	45	4.4		DELTA PINE 16	2.7	1	2		100 PERCENT	35	5.7	3.7	120	100	19	14	58	
CHOWCHILLA																							
1	MID		31	36	1.16	46	4.0		ACALA SJ-1	2.0	1	3		100 PERCENT	53	6.0	4.3	120	100	20	14	86	
CORCORAN																							
1	MID		31	36	1.15	46	4.6		ACALA SJ-1	2.2	1	3		100 PERCENT	48	5.7	4.3	120	90	27	19	73	
DOS PALOS																							
1	MID		31	36	1.13	45	4.0		ACALA SJ-1	2.1	1	3		100 PERCENT	52	5.7	4.3	120	90	27	18	80	
HURON																							
1	MID		31	36	1.11	46	4.6		ACALA SJ-1	2.4	2	3		100 PERCENT	50	5.2	3.8	130	100	18	11	75	

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1971--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns															
No	Grade	Code	Style	32s		Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint		Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten- tial
				In	Pct	Unif.	Zero Gage		1/8" Gage	Pct		Pct	Gra	Yel	22s or 27 tx		50s or 12 tx	Pct	Pct	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	No	
WESTERN--(Continued)																									
CALIFORNIA--(Continued)																									
KERNAN																									
1	SLM PLUS	40	36	1.14	46	4.4	100	27	5.2	2.1	2	3	100 PERCENT	52	5.8	4.4	120	100	18	12	79				
SAN JOAQUIN																									
1	SLM PLUS	40	36	1.14	46	4.2	97	27	5.5	2.0	1	3	100 PERCENT*	52	5.9	4.4	120	90	18	13	80				
SHAFTER																									
1	SLM	41	36	1.19	47	3.9	104	27	5.6	2.6	2	3	100 PERCENT	51	5.8	4.4	120	90	27	19	91				
STRATFORD																									
1	MID	31	35	1.10	47	4.6	104	28	5.2	1.6	1	3	100 PERCENT	50	5.6	4.4	130	100	17	11	74				
WASCO																									
1	MID	31	35	1.11	46	4.2	99	27	5.6	2.4	1	3	100 PERCENT	49	5.7	4.3	120	90	18	12	79				
2	MID	31	36	1.14	45	3.8	100	28	5.7	2.2	1	3	4.6 134	51	5.8	4.5	120	90	19	15	81				
WEST TEXAS																									
COYANOSA																									
1	SLM LT SP	42	35	1.10	43	3.9	81	21	5.9	4.8	4	4	100 PERCENT*	33	5.9	4.4	110	90	42	31	54				
PECOS																									
2	SLM	41	35	1.08	44	3.9	75	22	6.6	1.7	2	3	100 PERCENT*	33	6.2	4.5	120	100	19	15	53				

\* 100 percent selected for tests, less than 100 percent in the area

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Name & Code	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber and Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potential	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEASTERN AREA																							
ALABAMA																							
ORRVILLE																							
51	36	3 LM		1.18	43	4.2	81	23	5.8	4.9	3	2	100 PERCENT	39	6.3	5.3	110	80	29	22	69		
										* 14.5				45	6.5	5.5	100	90	18	17			
GEORGIA																							
COMER																							
51	35	2 LM		1.17	45	4.3	73	22	6.4	3.5	4	3	100 PERCENT	39	6.6	5.3	120	90	24	20	74		
										* 15.1				45	7.2	5.7	120	100	12	8			
MADISON																							
2	35	2 SLM LT SP		1.12	44	4.6	78	23	6.5	5.0	3	3	100 PERCENT	37	6.4	5.4	110	90	24	19	65		
										* 15.0				42	6.9	5.6	110	100	15	12			
3	35	3 LM		1.12	44	4.3	80	21	6.3	4.7	3	3	10.4	33	6.3	4.9	110	80	25	22	56		
										* 22.8				44	6.8	5.8	110	100	8	7			
SOUTH CAROLINA																							
RIDGE SPRINGS																							
3	36	3 LM LT SP		1.15	41	3.9	78	21	6.3	6.0	5	3	100 PERCENT	37	6.5	5.0	90	70	36	28	70		
										* 19.6				44	7.1	5.6	110	90	12	9			
SOUTH CENTRAL AREA																							
MISSISSIPPI																							
TUNICA																							
51	37	2 LM		1.21	43	4.9	88	24	5.9	5.2	2	3	100 PERCENT	42	6.3	5.3	120	90	21	18	70		
										* 14.7				47	6.3	5.4	120	90	10	6			
WESTERN AREA																							
ARIZONA																							
ELFRIDA																							
32	36	1 MID LT SP		1.14	42	3.9	96	24	5.0	2.7	2	4	100 PERCENT 1/	46	6.0	4.9	100	80	22	18	77		
										* 17.1				53	6.4	5.3	100	80	14	11			
NEW MEXICO																							
DEXTER																							
31	38	1 MID		1.21	44	3.8	94	27	5.5	2.2	1	3	100 PERCENT 1/	53	6.5	5.6	100	80	19	20	81		
										* 14.9				60	6.7	5.7	100	90	13	12			

\* Comber Waste and Combed Yarn Data  
1/ 100 percent selected for tests, less than 100 percent in the area

Table 5 --Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1971

Production Area, Classification Sample Number				Fiber Test Results										Processing Test Results - Combed Yarns									
				Array Length		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfct'ns		
							UQL	CV			Pct	In			Rdg	Mpsi	G/tex	Pct	No	Yel	Pct	Lbs	Pct
No	Grade	Stple	32s	In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	Yel	Pct	Lbs	Pct	Lbs	Pct	No	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	
WESTERN AREA																							
ARIZONA																							
SAFFORD																							
1	3	46		1.48	32	3.8	97	33	PIMA S-4	7.6	2.5	5	5	71 PERCENT	65	37	5.9	5.2	130	130	1	1	
WEST TEXAS																							
EL PASO																							
1	3	44		1.49	30	3.8	96	32	PIMA S-3	7.5	2.5	5	6	100 PERCENT*	68	37	5.9	5.2	130	130	2	0	
EL PASO																							
1	3	46		1.47	29	4.0	98	33	PIMA S-4	7.1	2.5	4	6	95 PERCENT	64	36	5.7	5.2	130	120	2	1	
PECOS																							
1	3	44		1.43	32	3.8	99	33	PIMA S-4	6.9	2.4	5	6	100 PERCENT*	67	37	5.7	5.2	130	120	2	2	

\* 100 percent selected for tests, less than 100 percent in the area